

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1-13. (Canceled)

14. (Currently Amended) A device for protecting a driving motor in a vacuum cleaner, comprising:

a lower casing forming a lower portion of a main body of a vacuum cleaner;

a motor housing installed in the lower casing and configured to receive therein a driving motor;

a cover configured to directly cover and protect the motor housing; and

a damper provided in a surface of the cover above the motor housing.

15. (Original) The device as claimed in claim 14, further comprising an upper casing forming an upper portion of the main body of the vacuum cleaner.

16. (Original) The device as claimed in claim 15, further comprising a filtering chamber installed on the lower casing.

17. (Original) The device as claimed in claim 16, wherein the filtering chamber comprises a filtering device.

18. (Original) The device as claimed in claim 16, wherein the cover covers and protects both the motor housing and the filtering chamber.
19. (Original) The device as claimed in claim 18, wherein the cover is positioned intermediate the upper casing and the motor housing and filtering chamber.
20. (Original) The device as claimed in claim 16, wherein the motor housing is provided in a front portion of the main body of the vacuum cleaner and the filtering chamber is provided in a rear portion of the main body of the vacuum cleaner.
21. (Original) The device as claimed in claim 14, further comprising a pressure sensor positioned on the cover and configured to sense pressure within the motor housing.
22. (Original) A vacuum cleaner comprising the device of claim 14.
23. (Currently Amended) A device for protecting a driving motor in a vacuum cleaner, comprising:
 - a lower casing configured to form a lower portion of a main body of a vacuum cleaner;
 - an upper casing configured to form an upper portion of the main body of the vacuum cleaner;

a motor housing installed in the lower casing and configured to receive therein a driving motor;

an inlet for receiving therethrough suction air into the vacuum cleaner; and
a filtering device configured to create a ~~swirl~~downwardly swirling flow of suction air, wherein suction air is received into an upper portion of the filtering device and flows downward, the suction air being discharged out of the vacuum cleaner through an outlet.

24. (Currently Amended) The device as claimed in claim 23, wherein the filtering device comprises a filter configured to filter foreign materials contained in the suction air ~~are filtered by the filtering device~~, a portion falling from the suction air due to gravity and another portion being removed from the suction air by ~~a~~the filter of the filtering device.

25. (Currently Amended) The device as claimed in claim 23, ~~wherein filtered suction air is discharged through~~further comprising an outlet in an upper portion of the filtering device through which filtered suction air is discharged.

26. (Original) The device as claimed in claim 23, wherein the motor housing is provided in a front portion of the main body of the vacuum cleaner and the filtering device is provided in a rear portion of the main body of the vacuum cleaner.

27. (Original) A vacuum cleaner comprising the device of claim 23.

28-35. (Canceled)

36. (Currently Amended) A device for protecting a driving motor in a vacuum cleaner, comprising:

a canister formed by a lower casing and an upper casing to form a chamber within the canister, a first portion of the chamber serving as a collection chamber and a second portion of the chamber serving as a motor housing; and

a motor located in the second portion within the motor housing, wherein a central longitudinal axis of the motor is oriented substantially vertically with respect to the upper and lower casings; and

an inlet formed at a front portion of the canister, wherein the first portion of the chamber is a rear portion of the vacuum cleaner and the second portion of the chamber is a front portion of the vacuum cleaner.

37. (Original) The device as claimed in claim 36, further comprising an inlet formed at a front portion of the collection chamber.

38-39. (Canceled)

40. (Original) The device as claimed in claim 36, further comprising a cover positioned intermediate the upper casing and the motor housing.

41. (Original) The device as claimed in claim 40, wherein the cover covers and protects both the motor housing and the collection chamber.

42. (Original) The device as claimed in claim 40, further comprising a damper provided in a surface of the cover above the motor housing.

43. (Currently Amended) The device as claimed in claim [[38]] 36, further comprising a pressure sensor positioned on the cover and configured to sense pressure within the motor housing.

44. (Original) A vacuum cleaner comprising the device of claim 36.

45. (Original) A device for protecting a driving motor in a vacuum cleaner, comprising:

a canister formed by a lower casing and an upper casing to form a chamber within the canister, a rear portion of the canister serving as a collection chamber and a front portion of the canister serving as a motor housing; and

a motor located in the front portion of the chamber within the motor housing.

46. (Original) The device as claimed in claim 45, further comprising an inlet formed at the front portion of the canister.

47. (Original) The device as claimed in claim 45, further comprising a cover positioned intermediate the upper casing and the motor housing.

48. (Original) The device as claimed in claim 47, wherein the cover covers and protects both the motor housing and the collection chamber.

49. (Original) The device as claimed in claim 47, further comprising a damper provided in a surface of the cover above the motor housing.

50. (Original) The device as claimed in claim 47, further comprising a pressure sensor positioned on the cover and configured to sense pressure within the motor housing.

51. (Original) A vacuum cleaner comprising the device of claim 45.